

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATIONApril 18, 2001  
(Use several sheets if necessary)APPLICANT  
Philip Stashenko, et al.FILING DATE  
July 18, 2000GROUP  
~~1651~~ 1646

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
34 AL	WO94/23033	13 Oct 1994	PCT			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

34	AR	Li, Y-P. et al., "Molecular Cloning and Characterization of a Putative Novel Human Osteoclast-Specific 116-kDa Vacuolar Proton Pump Subunit", <i>Biochemical and Biophysical Research Communications</i> , 218:813-821 (1996).
	AS	Shapiro, L.H. et al., "Carbonic Anhydrase II is Induced in HL-60 Cells by 1,25-Dihydroxyvitamin D <sub>3</sub> : a Model for Osteoclast Gene Regulation", <i>FEBS Letters</i> , 249(2):307-310 (1989).
	AT	Ketcham, C.M. et al., "Molecular Cloning of the Type 5, Iron-Containing, Tartrate-Resistant Acid Phosphatase from Human Placenta", <i>The Journal of Biological Chemistry</i> , 264(1):557-563(1989).
	AU	Wilhelm, S.M. et al., "SV40-Transformed Human Lung Fibroblasts Secrete a 92-kDa Type IV Collagenase Which Is Identical to That Secreted by Normal Human Macrophages", <i>The Journal of Biological Chemistry</i> , 264(29):17213-17221 (1989).
	AV	Ek-Rylander, B. et al., "Cloning, Sequence, and Developmental Expression of a Type 5, Tartrate-Resistant, Acid Phosphatase of Rat Bone", <i>The Journal of Biological Chemistry</i> , 266(36):24684-24689 (1991).
	AW	Tezuka, K. et al., "Molecular Cloning of a Possible Cysteine Proteinase Predominantly Expressed in Osteoclasts", <i>The Journal of Biological Chemistry</i> , 269(2):1106-1109 (1994).
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✓	AY	Peng, S.-B. et al., "Alternative mRNA Splicing Generates Tissue-specific Isoforms of 116-kDa Polypeptide of Vacuolar Proton Pump," <i>J. of Biol Chem.</i> 269(25):17262-17266 (1994).

EXAMINER

Zach Howard

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34	AZ	Crider, B.P. et al., "Bafilomycin Inhibits Proton Flow Through the H <sup>+</sup> Channel of Vacuolar Proton Pumps," J. of Biol. Chem. 269(26): 17379-17381 (1994).
1	AR2	Perin, M.S. et al., "Structure of the 116-kDA Polypeptide of the Clathrin-coated Vesicle/Synaptic Vesicle Proton Pump," J. of Biol. Chem. 266(6):3877-3881 (1991).
	AS2	Li, Y.-P. et al., "Atp6i-deficient Mice Exhibit Severe Osteoporosis Due to Loss of Osteoclast-mediated Extracellular Acidification," Nat. Genet., 23:447-51 (1999).
↓	AT2	Mattsson, J.P., et al., "Isolation and Reconstitution of a Vacuolar-type Proton Pump of Osteoclast Membranes", J. Biol. Chem., 269(40):24979-24982 (1994).

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